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Sheet	1	of	3	Attomey Docket Number	A328A-	USA		

l				U.S. PAT	ENT DOCUMENTS.	
Examiner Initials	Cite No.1		(ind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
26		US- 4,041,954		08/16/1977	Ohara	
		US- 4,146,029		03/27/1979	Ellenwood, Jr.	
		US- 4,360,019		11/23/1982	Portner et al.	
		US- 4,414,979		11/15/1983	Hirshorn et al.	
		US- 4,543,955		10/01/1985	Schroeppel	
		US- 4,612,934		09/23/1986	Borkan	
		US- 4,619,653		10/28/1986	Fischell	
		US- 4,714,462		12/22/1987	DiDomenico	
		US- 4,886,064		12/12/1989	Strandberg	
		US- 4,925,443		05/15/1990	Heilman et al.	
		US- 5,113,859		05/19/1992	Funke	
		US- 5,113,869		05/19/1992	Nappholz et al.	
		US- 5,167,625		12/01/1992	Jacobsen et al.	
		US- 5,170,801		12/15/1992	Casper et al.	
		US- 5,193,539		03/16/1993	Schulman et al.	
		US- 5,193,540		03/16/1993	Schulman et al.	
		US- 5,279,607		01/18/1994	Schentag et al.	
		US- 5,312,439		05/17/1994	Loeb	
		US- 5,312,446		05/17/1994	Holschbach et al.	
1		US- 5,318,593		06/07/1994	Duggan	

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12		EP	0561068 A2		09/22/1993	American Medical Electronics			
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document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

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2		US- 5,324,316	06/28/1994	Schulman et al.	l
$\lceil 7 \rceil$		US- 5,358,514	10/25/1994	Schulman et al.	
		US- 5,397,350	03/14/1995	Chow et al.	
		US- 5,405,367	04/11/1995	Schulman et al.	
		US- 5,411,535	05/02/1995	Fujii et al.	
		US- 5,443,486	08/22/1995	Hrdlicka et al.	
		US- 5,481,262	01/02/1996	Urbas et al.	
		US- 5,507,737	04/16/1996	Palmskog	
	•	US- 5,544,651	08/13/1996	Wilk	
		US- 5,558,640	09/24/1996	Pfeiler et al.	
		US- 5,562,713	10/08/1996	Silvian	
		US- 5,571,148	11/05/1996	Loeb et al.	
		US- 5,591,217	01/07/1997	Barreras	
		US- 5,694,952	12/09/1997	Lidman et al.	
		US- 5,725,559	03/10/1998	Alt et al.	
		US- 5,728,154	03/17/1998	Crossett et al.	
		US- 5,733,313	03/31/1998	Barreras, Sr. et al.	<u> </u>
		US- 5,759,199	06/02/1998	Snell et al.	
		US- 5,766,231	06/16/1998	Erickson et al.	
4	~	US- 5,782,799	07/21/1998	Jacobson et al.	

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				U.S. PAT	ENT DOCUMENTS	
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2/		US- 5,807,3	97	09/15/1998	Barreras	
7		US- 5,810,7	35	09/22/1998	Halperin et al.	
		US- 6,051,0	17	04/18/2000	Loeb et al.	
		US- 6,061,5	96	05/09/2000	Richmond et al.	
$\Box\Box$		US- 6,122,5	46	09/19/2000	Sholder et al.	
$\Box$		US- 6,164,2	84	12/26/2000	Schulman et al.	
$T \sqcap$		US- 6,185,4	52	02/06/2001	Schulman et al.	
$T_{A}$		US- 6,208,8	94	03/27/2001	Schulman et al.	
24		US- 6,315,7	21	11/13/2001	Schulman et al.	
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of I

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Application Number	10/719,715							
Filing Date	November 21, 2003							
First Named Inventor	Schulman							
Art Unit	3763							
Examiner Name								
Attorney Docket Number	A328A-USA							

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Attorney Docket Number

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